Ontario

Ministry of Natural Resources

Hon. Michael Harris
Minister

Mary Mogford
Deputy Minister

ONTARIO GEOLOGICAL SURVEY

GEOLOGICAL DATA INVENTORY FOLIO

GDIF 252

RATTER TOWNSHIP

DISTRICT OF SUDBURY

Compiled by the Staff of
the Resident Geologist's Office
Sudbury

LOCATION MAP

Scale 1:1 013 760 or 1 inch to 16 miles

86-0842/

NTS Number 41 I/8,9

Mining Claim Map Number M-1072

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey
1985: Ratter Township, District of Sudbury; Ontario Geological Survey, Geological Data Inventory Folio 252, compiled by the staff of the Resident Geologist's Office, Sudbury, 16p. and 2 maps.

Original Compilation by: Lacey, K. Feb.6, 1985

Date	Page Revised	Revised by

Date	Page Revised	Revised by

RATTER TOWNSHIP

TABLE OF CONTENTS

Data Sources Checklist 1
Metals and Minerals Reference List 2
Mineral Occurrences 3
Type of Work 4
Drill Hole Summary 5
Airborne Geophysical Survey Data 6
Geochemical Survey Data 7
Miscellaneous Data 8
Newspaper Clipping File 9
ODM General Index Search 10
Selected References 12
Notes and Addenda 16

ACCOMPANYING MAPS

Property Location Map - 1 map

Exploration Data Map - 1 map

Map Scale 1: 31 680 or 1 inch to ½ mile

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
			LENGTH		
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709 7	chains	1 chain	20.116 8	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.609 344**	km
			AREA		
1 cm^2	0.155 0	square inches	1 square inch	**6.451 6**	cm^2
1 m^2	10.763 9	square feet	1 square foot	**0.092 903 04**	m^2
1 km^2	0.386 10	square miles	1 square mile	2.589 988	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
			VOLUME		
1 cm^3	0.061 02	cubic inches	1 cubic inch	**16.387 064**	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	0.764 555	m^3
			CAPACITY		
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
			MASS		
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	**31.103 476 8**	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	**0.453 592 37**	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	**907.184 74**	kg
1 t	1.102 311	tons (short)	1 ton (short)	**0.907 184 74**	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	**1016.046 908 8**	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	**1.016 046 908 8**	t
			CONCENTRATION		
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy)/ton (short)	20.0	pennyweights/ton (short)
1 pennyweight/ton (short)	0.05	ounce (troy)/ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	Yes	K.L.
2	Assessment Files Research Office, Toronto	N.A.	K.L.
3	ODM General Index; 7 volumes	Yes	K.L.
4	Catalogue of Airborne Geophysical Surveys (ODM)	No	K.L.
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	Yes	K.L.
6	ODM Industrial Mineral Reports	Yes	K.L.
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	No	K.L.
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	Yes	K.L.
9	Newspaper Clippings File	No	K.L.
10	GSC Index to Publications	Yes	K.L.
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	Yes	K.L.
12	OGS Index Maps	Yes	K.L.
13	Source Mineral Deposit Records (O.G.S.) Mineral Occurrences File	Yes	K.L.
14	Author - Subject Articles File	Yes	K.L.
15	Miscellaneous Papers: ODM & OGS	Yes	K.L.
16	ODM Geological Circulars: OGS Study Series , Reports	Yes	K.L.
17	ODM Preliminary Reports: ODM Bulletins	Yes	K.L.
18	ODM – OGS Open File Reports	Yes	K.L.
19	OGS Northern Ontario Engineering Geology Terrain Studies	Yes	K.L.
20	OGS Aggregate Resources Inventory Papers	No	K.L.
21	OGS Mineral Potential Maps	Yes	K.L.
22	Theses on File, Sudbury	Yes	K.L.
23	Aerial Photographs on File, Sudbury	No	K.L.

METALS AND MINERALS REFERENCES LIST

- Δ anh. . . . . .Anhydrite
- Δ ank. . . . . .Ankerite
- Δ anna. . . . . Annabergite
- Δ ap. . . . . .Apatite
- Δ arg . . . . . Argentite
- Δ As . . . . . .Arsenic
- Δ asp . . . . . .Arsenopyrite
- Δ asb . . . . . .Asbestos
- Δ ba. . . . . .Barite
- Δ be. . . . . .Beryl
- Δ Bi. . . . . .Bismuth
- Δ bn . . . . . .Bornite
- Δ bran . . . . . .Brannerite
- Δ bruc . . . . . .Brucite
- Δ Cd . . . . . .Cadmium
- Δ calc. . . . . .Calcite
- Δ carb . . . . . .Carbonate
- Δ cel . . . . . .Celestite
- Δ cc. . . . . .Chalcocite
- Δ cp. . . . . .Chalcopyrite
- Δ ch. . . . . .Chert
- Δ clay . . . . . .Clay
- Δ Co . . . . . .Cobalt
- Δ cob. . . . . .Cobaltite
- Δ cb. . . . . .Columbite
- Δ Cu . . . . . .Copper
- Δ cor . . . . . .Corundum
- Δ dol . . . . . .Dolomite
- Δ ep. . . . . .Epidote
- Δ ery . . . . . .Erythrite
- ▲ fel . . . . . .Feldspar
- Δ fl . . . . . .Fluorite (flurospar)
- Δ fu. . . . . .Fuchsite
- Δ gn. . . . . .Galena
- Δ gt. . . . . .Garnet
- Δ goe . . . . . .Goethite
- Δ Au . . . . . .Gold
- Δ gf. . . . . .Graphite
- Δ gl . . . . . .Gravel
- Δ gyp. . . . . .Gypsum
- Δ hem . . . . . .Hematite
- Δ il . . . . . .Ilmenite
- Δ Fe . . . . . .Iron
- Δ IF. . . . . .Iron Formation
- Δ jas . . . . . .Jasper
- Δ kaol . . . . . .Kaolinite (kaolin)
- Δ ky . . . . . .Kyanite
- Δ Pb . . . . . .Lead
- Δ lim . . . . . .Limonite
- Δ Li. . . . . .Lithium
- Δ mgst . . . . . .Magnesite
- Δ mag . . . . . .Magnetite
- Δ mc . . . . . .Malachite
- Δ Mn . . . . . .Manganese
- Δ mb . . . . . .Marble
- Δ mar. . . . . .Marcasite
- Δ ma . . . . . .Marl
- Δ mi . . . . . .Mica
- Δ ml . . . . . .Millerite
- Δ mo . . . . . .Molybdenite
- Δ Mo . . . . . .Molybdenum
- Δ mon . . . . . .Monazite
- Δ ne. . . . . .Nephelite (nepheline)
- Δ nc. . . . . .Niccolite
- Δ Ni. . . . . .Nickel
- Δ Nb . . . . . .Niobium
- Δ Pd . . . . . .Palladium
- Δ peat . . . . . .Peat
- Δ pent . . . . . .Pentlandite
- Δ Pt. . . . . .Platinum
- Δ py . . . . . .Pyrite
- Δ pyl . . . . . .Pyrochlore
- Δ pyrl . . . . . .Pyrolusite
- Δ po . . . . . .Pyrrhotite
- Δ q . . . . . .Quartz
- Δ qcv . . . . .Quartz carbonate vein
- Δ ra. . . . . .Radioactive minerals
- Δ RE . . . . . .Rare Earths
- Δ sd. . . . . .Sand
- Δ sgl . . . . . .Sand and gravel
- Δ ss . . . . . .Sandstone
- Δ scap . . . . . .Scapolite
- Δ shee . . . . . .Scheelite
- Δ serp . . . . . .Serpentine
- Δ sh. . . . . .Shale
- Δ sid . . . . . .Siderite
- Δ si . . . . . .Silica
- Δ Ag . . . . . .Silver
- Δ sl . . . . . .Slate
- Δ sm . . . . . .Smaltite
- Δ sod. . . . . .Sodalite
- Δ spec . . . . . .Specularite
- Δ sp. . . . . .Sphalerite
- Δ spd. . . . . .Spodumene
- Δ staur . . . . . .Staurolite
- Δ stib. . . . . .Stibnite
- Δ st. . . . . .Stone
- Δ talc. . . . . .Talc
- Δ Te . . . . . .Tellurium
- Δ td. . . . . .Tetrahedrite
- Δ th. . . . . .Thorite
- Δ Th . . . . . .Thorium
- Δ thuc . . . . . .Thucholite
- Δ ti . . . . . .Titanite
- Δ Ti. . . . . .Titanium
- Δ tour . . . . . .Tourmaline
- Δ trap . . . . . .Trap rock
- Δ W. . . . . .Tungsten
- Δ uran . . . . . .Uraninite
- Δ U. . . . . .Uranium
- Δ verm . . . . . .Vermiculite
- Δ Y . . . . . .Yttrium
- Δ Zn . . . . . .Zinc
- Δ zr. . . . . .Zircon

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps.

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
A	Consolidated Feldspar Ltd.	fel		IMC. No.3, p.13	Spence, H. S.; Feldspar , Rept. No.731, p.61. Dept. of Mines, Ottawa, 1932 O.G.S. Map 2361 - No.76 GR116, p.139,140
B	Lee Feldspar Mine (Erana Mines Ltd.)	fel			O.G.S. - OFR5329 - p.15,105 O.G.S. - Map 2361 No.112 GR116, p.139,140
C	Ratter Township	fel			O.G.S. Map 2361 No.130 GR116, p.139,140

GDIF FORM NO. 1

4 RATTER TOWNSHIP

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE SUDBURY		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY	QUARRY		
COMPANY/AUTHOR (file number)																				
1	Beaucage Mines Ltd.	56																		
2	Consolidated Feldspar Mine Ltd.																	26 27		
3	Lee Feldspar Mine (Erana Mines Ltd.)																	50's 60's		
4	Perrineau, G. (Vise, J.)																	20's		
5	Warren Industrial Feldspar (Geotech Ltd.)	81		81	81	81														

GDIF FORM NO. 2

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth Degrees	Initial Dip of Hole Degrees	Thickness of Overburden Feet	Total Length of Hole Feet	Mineralization Noted in Log	Assay Data Included for
1	Warren Industrial Feldspar Limited	E1	81	S52W	60	10.0	150	fel,q	
2		E2	81	N52E	60	9.7	150	fel,q	
3		E3	81	S52W	65	11.0	86	fel,q	
4		E4	81	N52E	65	1.5	70	fel,q	
5		V1	81	N16E	70	0.9	100	fel,q	
6		V2	81	N16E	50	18.3	133	fel,q	
7		V3	81	N16E	50	0	71	fel,q	

GDIF FORM NO. 3

6 RATTER TOWNSHIP

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By For	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing

GDIF FORM NO. 4

RATTER TOWNSHIP

GEOCHEMICAL SURVEY DATA

Map Sample Site Reference Number	Type of Survey	Analysis For	By	Reference

GDIF FORM NO. 5

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office. Sudbury

ODM GENERAL INDEX SEARCH

Words searched:

CARMICHAEL DEPOSIT	GEOTECH EXPLORATIONS	MID CANADA SHIELD
CONSOLIDATED FELDSPAR	HEWITT, G.	NIPISSING BLACK GRANITE CO
DEER CREEK FELDSPAR DEPOSIT	INDUSTRIAL GARNET	NIPISSING DISTRICT
EDEN DEPOSIT RATTER TWP.	LEE, R. J.	RATTER TOWNSHIP
ERANA MINES LTD.	KUNBER	WARREN INDUSTRIAL FELDSPAR
FELDSPAR	LUMBERS	

Index Volume	Listing:	Report Volume	Part	Page
3	CONSOLIDATED FELDSPAR MINES LTD.			
	Ratter Township	37	1	29
	Incorporated	57	1	36
8	CONSOLIDATED FELDSPAR MINES LTD.			
	Ratter Township, Sudbury District Mining Property, Report on	GR116		139
8	DEER CREEK			
	Ratter Township, Sudbury District	GR116		139
8	ERANA MINES LTD.			
	Ratter Township, Sudbury District	GR116		139
9	ERANA MINES LTD.			
	River Valley Area, Sudbury District	MP84		103
	Sudbury Area, Sudbury District	MP64		106
8	FELDSPAR			
	Burwash Area, Sudbury & Nipissing District	GR116		133-141
		MP11		70
		MP22		61
	River Valley Area, Sudbury & Nipissing Dist.	MP49		95
	Sudbury Area, Sudbury District	MP17		78
8	LEE, J. R.			
	Ratter Township, Sudbury District Mining Report on	GR116		139
4	NIPISSING BLACK GRANITE			
	Incorporated	59	1	44,46
3	RATTER TOWNSHIP, Sudbury			
	Feldspar Mining	37	1	29
8	RATTER TOWNSHIP, Sudbury			
	Feldspar, Mica	GR116		139-140

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page

GDIF FORM NO. 8

RATTER TOWNSHIP

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		REGIONAL GEOLOGICAL COMPILATION MAPS		
Card, K. D., Lumbers, S.B.	1974-75	Sudbury-Cobalt Geological Compilation (revised)	O.G.S. Map 2361	1"=4 mi.
Lumbers, S. B.	1973	River Valley Area (East Half), Districts of Nipissing, Parry Sound and Sudbury	O.D.M. Map 844	1"=1 mi.
Lumbers, S. B.	1971	Burwash Area (East Half), Districts of Nipissing, Parry Sound and Sudbury	O.D.M. Map 681	1"=1 mi.
Lumbers, S. B.	1966	Burwash Sheet, Districts of Sudbury, Nipissing and Parry Sound	O.D.M. Map 415	1"=2 mi.
Meyn, H. D.	1966	Capreol Sheet, Districts of Sudbury and Nipissing	O.D.M. Map 367	1"=2 mi.
		GEOPHYSICAL MAPS		
Gupta, V. R., Wadge, D. R.	1980	Bouguer Gravity and Generalized Geology Map North Bay-Marten River	P.2297	1:100 000
O.D.M.-G.S.C.	1965	Aeromagnetic Map - Glen Afton Sheet	7067G	1"=4 mi.
O.D.M.-G.S.C.	1965	Aeromagnetic Map - Sudbury Sheet	1501G	1"=1 mi.
O.D.M.-G.S.C.	1965	Aeromagnetic Map - Verner	1500G	1"=1 mi.
O.G.S.-G.S.C.	1976	Uranium Reconnaissance Programs. Airborne Gamma Ray Spectrometer Survey Sudbury, Ontario	O.G.S. Map 1610	1"=250 000

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		SURFICIAL, PLEISTOCENE, TERRAIN ENGINEERING		
Army Survey Establishment R.C.E.	1964	Topographic Map - Verner		1:50 000
Dept. of Energy, Mines and Resources	1975	Topographic Map - Glen Afton Sheet		1:50 000
Gartner, J. F.	1980	N.O.E.G.T.S. Data Base Map, Capreol	Map 5001	1:100 000
	1980	N.O.E.G.T. Study 95, Capreol		
	1980	N.O.E.G.T.S Data Base Map, Sudbury	Map 5003	1:100 000
	1980	N.O.E.G.T. Study 100, Sudbury		
		MINERAL POTENTIAL MAPS		
O.G.S. and Mineral Resources Branch	1982	Mineral Potential Map of Ontario West Central Sheet	OFR5327	1:16 mi.
Springer, J.	1976	Ontario Mineral Potential Sudbury Sheet, Districts of Algoma, Nipissing, Sudbury, Parry Sound and Manitoulin	O.G.S. Map P.1511	1"=250 000
		GEOCHEMICAL		
		None as of Feb.6, 1985		

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		GEOLOGICAL REPORTS AND MAPS		
Hewitt, D. F.	1952	Feldspar in Ontario	O.D.M. - IMC3	
Kustra, G. R.	1981	Annual Report of the Regional and Resident Geologists (1981)	O.G.S. - MP101	p.140,144
Lumbers, S. B.	1975	Geology of the Burwash Area, Districts of Nipissing, Parry Sound, Sudbury	GR116	
Meyn, H. D., Howarth, J. R.	1977	Molybdenum Deposits of Ontario, East Central Sheet	O.G.S. Map P.1246	p.13
Milne, V. G.	1978	Summary of Field Work 1978	O.G.S. - MP82	p.200
Thomson, J. E.	1960	Uranium and Thorium Deposits of the Base of the Huronian System in the District of Sudbury	GR1	chart 1
Vos, M. A., Smith, B. A.	1981	Industrial Minerals of The Sudbury Area	O.G.S. - OFR5329	p.83,85,87,89
Warren Industrial Feldspar Ltd.	1984	Engineering and Economic Feasibility Study for Silica Sand Production in the Area of Sudbury, Ontario	O.G.S. - OFR5507	
		JOURNAL ARTICLES, THESES, TECHNICAL REPORTS		
Davis, G. L.	?	Geochronology and Geochemistry of the Grenville Province	Sudbury File 3-4	p.224-230
	?	The Age of Metamorphism in the Grenville Province and the Age of the Grenville Front	Sudbury File 3-4	p.307-315

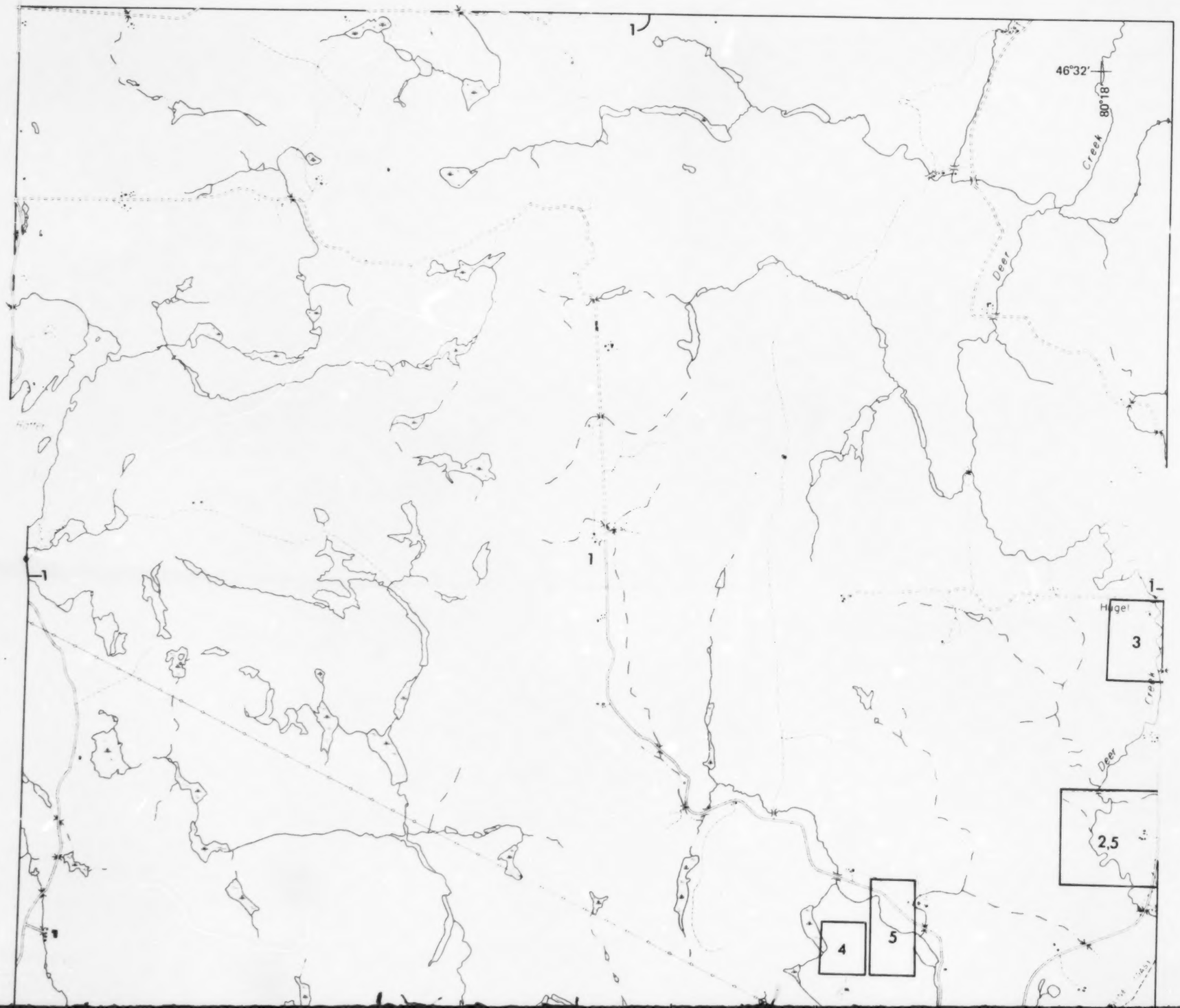
SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Henderson, J. R.	1967	Structural and Petrographic Relations Across the Grenville Province, Southern Province Boundary, Sudbury, Ontario. Ph.D., McM.	Sudbury File #27	
Latour, T. E.	1981	Significance of Folds and Mylonites at the Grenville Front in Ontario (Summary)	G.S.A. - Bull. Vol.92, pt.1	p.411-413
	1955	The Problem of the Boundary Between the Grenville and Temiskaming Province, Ontario. B.Sc. Laval	MP2	p.29

GDIF FORM NO.9

NOTES AND ADDENDA

GDIF FORM NO.30



Ontario

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Hon. Michael Harris
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Mary Mogford
Deputy Minister

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 252

(Map **1** of **2**)

RATTER TOWNSHI

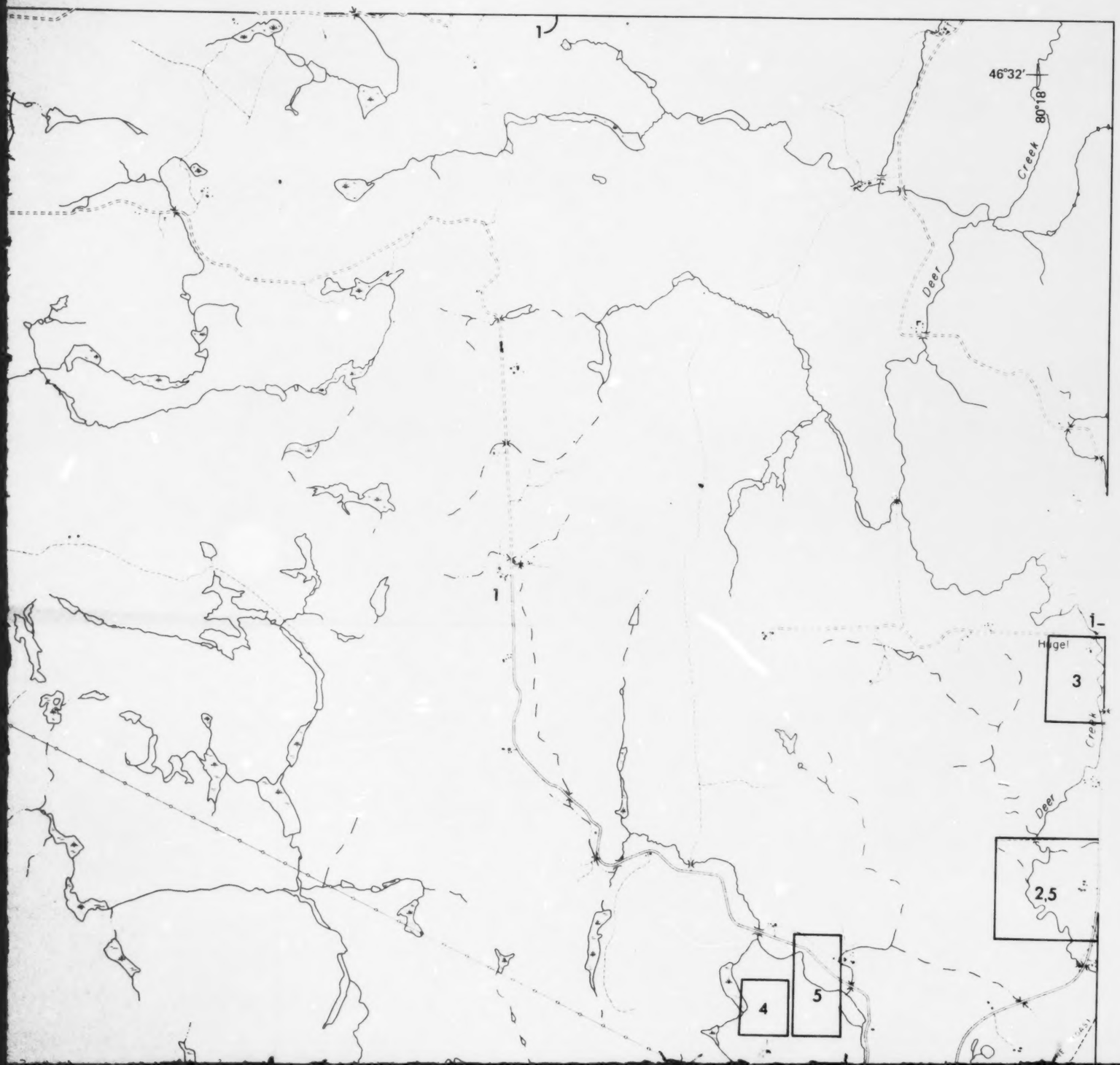
DISTRICT OF SUDBURY

Scale 1:31 680

Mile 0.5 0 0.5 1 Mi

Kilometre 0.5 0 0.5 1 Kilometre

EXPLORATION DATA FILE AREAS



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ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 252

(Map **1** of **2**)

RATTER TOWNSHIP

DISTRICT OF SUDBURY

Scale 1:31 680

Mile 0.5 0 0.5 1 Mile

Kilometre 0.5 0 0.5 1 Kilometre

EXPLORATION DATA FILE AREAS

Ontario Ministry of Natural Resources

Mary Mogford
Deputy Minister

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 25

(Map 1 of 2)

RATTER TOWNSH

DISTRICT OF SUDBURY

Scale 1:31 680

Mile 0.5 0 0.5

Kilometre 0.5 0 0.5 1 Kilometre

EXPLORATION DATA FILE AREAS

Reference number is always inside work area
See listing in text pages.

Small area of exploration.

Ontario Ministry of Natural Resources

Mary Mogford
Deputy Minister

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 252

(Map **1** of **2**)

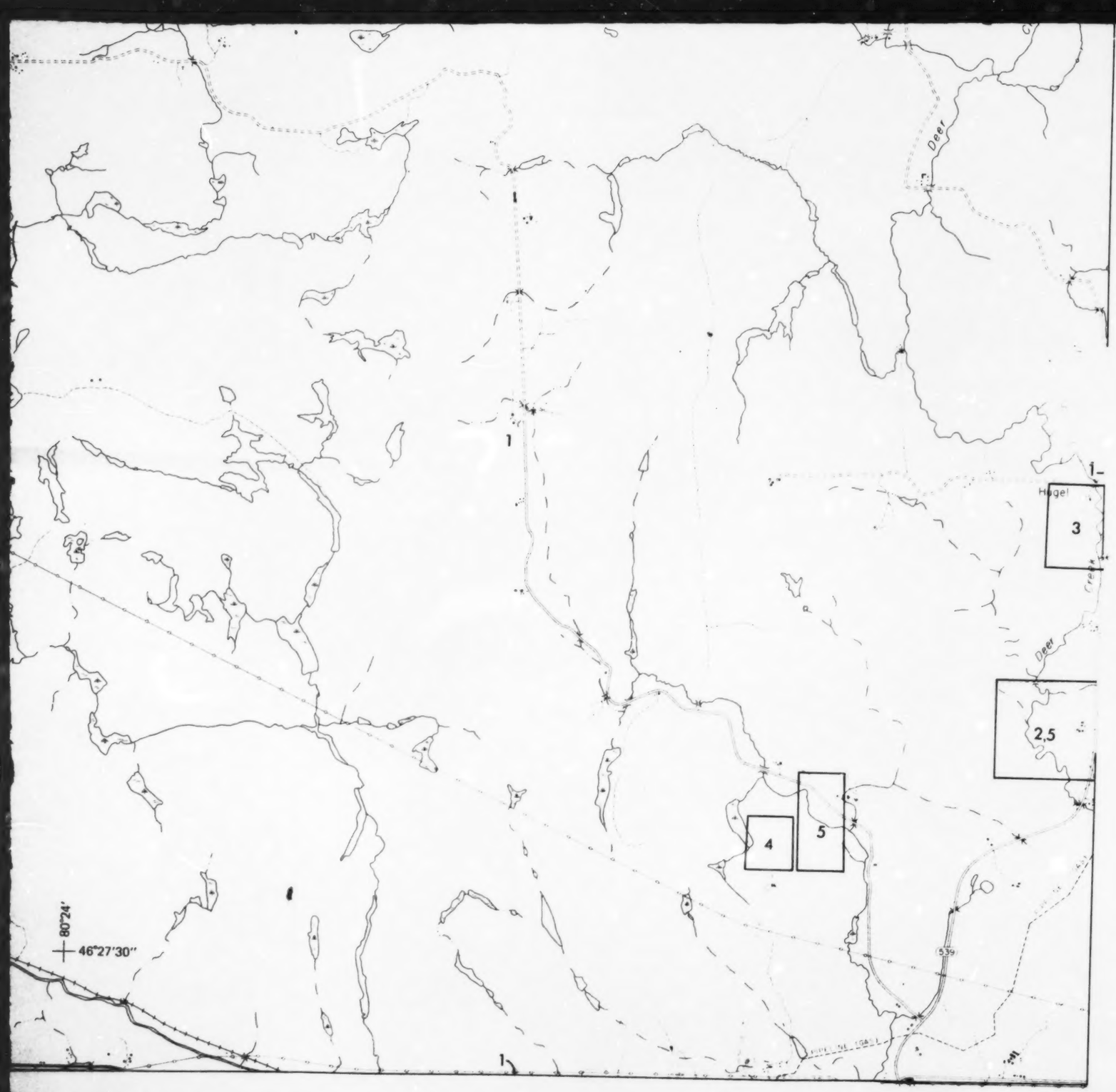
RATTER TOWNSHIP

DISTRICT OF SUDBURY

Scale 1:31 680

Mile 0 5 0 0 5 1 Mile

Kilometre 0 5 0 0 5 1 Kilometre



EXPLORATION DATA FILE AREAS

Reference number is always inside work area outlined. See listing in text pages.

Small area of exploration.

TYPES OF DATA SHOWN ON THIS MAP

GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

- Geochemical sample site, with reference number
- Area of geochemical sampling, with reference number
- Age dating material sampling site, with reference number

GEOPHYSICAL ANOMALIES

- Airborne Magnetometer Anomaly
- Airborne Electromagnetometer Anomaly
  Length of anomaly along flight line
- Airborne Electromagnetometer Anomaly.
  Location of anomaly along flight line
- Airborne Electromagnetometer Anomaly
  Conductor Axis: definite, probable, possible
- Airborne Radiometric Anomaly
- Ground Magnetometer Anomaly
- Ground Electromagnetometer Anomaly
  (VL - Vertical Loop; HL - Horizontal Loop;
  VLF - Very low freq; Turam; JEM -
  Crone EM - 16)
- Ground Radiometric Anomaly
- Induced Polarization Anomaly
- Self Potential Anomaly
- Audio-frequency magnetometer anomaly
  (total intensity)
- Resistivity Anomaly
- Gravity Anomaly

MISCELLANEOUS DATA

- Trenching, pit
- Rock quarry
- Adit
- Sand and/or gravel pit

Ministry of Natural Resources
Ontario

Hon. Michael Harris
Minister

Mary Mogford
Deputy Minister

ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 252

(Map **2** of **2**)

RATTER TOWNSHIP

DISTRICT OF SUDBURY

Scale 1:31 680

Mile 0.5 0 0.5 1 Mile

Kilometre 0.5 0 0.5 1 Kilometre

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- Mineral occurrence at surface, with reference letter
- Mineral occurrence with shaft, depth given with reference letter
- Mineral occurrence reported but exact location uncertain, with reference letter
- Mineralized Float with reference letter

DRILL HOLES

- Location of single drill hole, with reference number
- Location of closely spaced group of drill holes, with reference number

COPY 252

Area of geochemical sampling, with reference number

Age dating material sampling site, with reference number

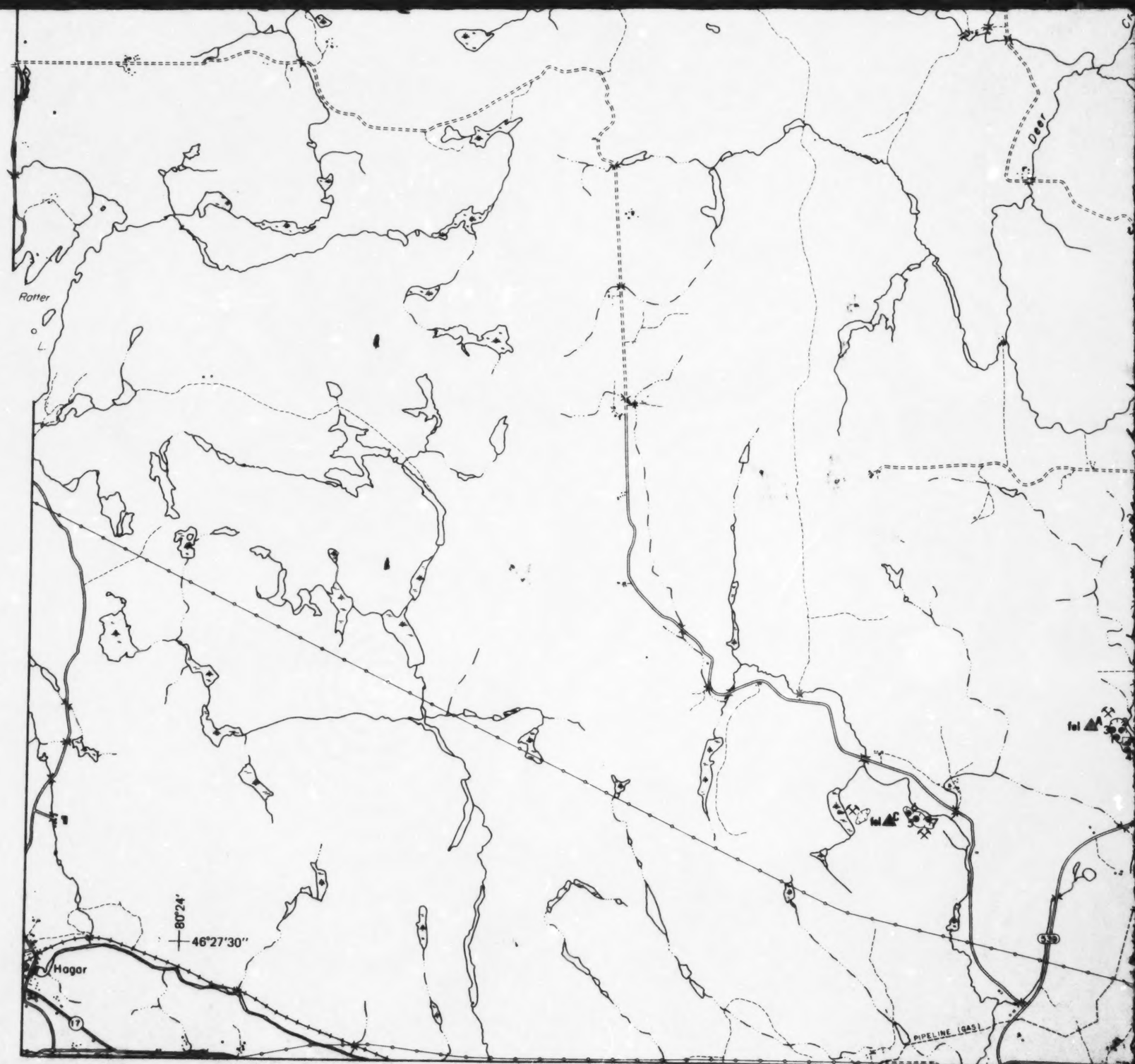
GEOPHYSICAL ANOMALIES

- AM — Airborne Magnetometer Anomaly
- Airborne Electromagnetometer Anomaly Length of anomaly along flight line
- Airborne Electromagnetometer Anomaly. Location of anomaly along flight line
- Airborne Electromagnetometer Anomaly Conductor Axis: definite, probable, possible
- ARA — Airborne Radiometric Anomaly
- M — Ground Magnetometer Anomaly
- VL — Ground Electromagnetometer Anomaly (VL - Vertical Loop; HL - Horizontal Loop; VLF - Very low freq; Turam; JEM - Crone EM - 16)
- RA — Ground Radiometric Anomaly
- IP — Induced Polarization Anomaly
- SP — Self Potential Anomaly
- AFMAG — Audio-frequency magnetometer anomaly (total intensity)
- R — Resistivity Anomaly
- GR — Gravity Anomaly

MISCELLANEOUS DATA

- Trenching, pit
- Adit
- Open pit
- Rock quarry
- Sand and/or gravel pit

NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.



Ontario — Deputy Minister

ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 252

(Map **2** of **2**)

RATTER TOWNSHIP

DISTRICT OF SUDBURY

Scale 1:31 680

Mile 0.5 0 0.5 1 Mile

Kilometre 0.5 0 0.5 1 Kilometre

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- cp A. — Mineral occurrence at surface, with reference letter
- Au A. 84' — Mineral occurrence with shaft, depth given with reference letter
- Ag ? A. — Mineral occurrence reported but exact location uncertain, with reference letter
- cp A. — Mineralized Float with reference letter

DRILL HOLES

- ●² — Location of single drill hole, with reference number
- ◉² — Location of closely spaced group of drill holes, with reference number
- (?)² — Drill hole, exact location uncertain, with reference number.
- Property with underground drill holes in this general area, with reference number
- ○² — Property with drill holes which have not been plotted on map, with reference number
- ⊕² — Reverse Circulation Drill Hole; Churn drilling, with reference number

80°24'

46°27'30"

Deer

Hugel

fel B

Creek

fel A

fel C

PIPELINE (GAS)

539

PIPELINE (GAS)

GDI# 4124

GDI# 4124